

## INDUCTION MELTING FURNACE WITH METERED DISCHARGE

### Abstract of the Disclosure

5       An induction melting furnace comprises a melt chamber for heating a melt either directly  
by magnetic induction, or indirectly by magnetic induction heating of the melt chamber, or a  
combination of the two, and a meter chamber connected to the melt chamber for providing a  
metered discharge of the melt from the furnace. A gas can be injected into the furnace to provide  
a blanket over the surface of the melt in the melt chamber and a pressurized flush of the metered  
10   discharge of the melt from the meter chamber.